

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	(("5896148") or ("6097408") or ("20020126193")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 10:13
S2	9	(JP-04201469-\$ or EP-0473178-\$ or JP-05224571-\$ or JP-09244423-\$ or JP-09254460-\$ or EP-1238812-\$ or JP-2003103857-\$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/30 10:15
S3	10	((SHINJI) near2 (IMOTO)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 16:05
S4	23	((YOICHI) near2 (ITO)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 11:10
S5	3	((SEIICHI) near2 (KOGURE)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 11:10
S6	1	("2002/0126193").URPN.	USPAT	OR	OFF	2007/10/30 11:18
S7	16	("4183030" "4313124" "4345262" "4364054" "4442439" "4459600" "4463359" "4477869" "4558333" "4737803" "5049899" "5136307" "5270738" "5477249").PN. OR ("6097408").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 12:01
S8	13	("4183030" "4313124" "4345262" "4364054" "4442439" "4459600" "4463359" "4477869" "4558333" "4737803" "5049899" "5136307").PN. OR ("5896148").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 12:05
S9	1432	(347/104).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 12:05
S10	415	S9 and (AC or (alternating current))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 12:06
S11	16	S9 and ((AC or (alternating current)) near (bias or charg\$3 or unit or belt or roller))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 17:01
S12	1	("6786590").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 12:48

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S13	50	(US-20070109385-\$ or US-20020041382-\$ or US-20040173960-\$ or US-20050030694-\$ or US-20020125916-\$ or US-20020126193-\$ or US-20050175384-\$ or US-20050191078-\$ or US-20060039713-\$ or US-20060051113-\$ or US-20060051121-\$ or US-20060127118-\$ or US-20070121092-\$).did. or (US-6347213-\$ or US-6405009-\$ or US-5787326-\$ or US-7080835-\$ or US-3920369-\$ or US-5083167-\$ or US-5678125-\$ or US-5815767-\$ or US-6653869-\$ or US-6786590-\$ or US-7245350-\$ or US-3994711-\$ or US-4020616-\$ or US-4029222-\$ or US-4145039-\$ or US-4244565-\$ or US-4253837-\$ or US-4356018-\$ or US-4363163-\$ or US-4384712-\$ or US-4562443-\$ or US-4620864-\$ or US-4711444-\$ or US-4739166-\$ or US-4760255-\$ or US-4761554-\$). did. or (US-4777365-\$ or US-4786923-\$ or US-4866595-\$ or US-4884110-\$ or US-4900926-\$ or US-4954847-\$ or US-5047801-\$ or US-5120161-\$ or US-5122830-\$ or US-5160964-\$ or US-5196676-\$). did.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:35
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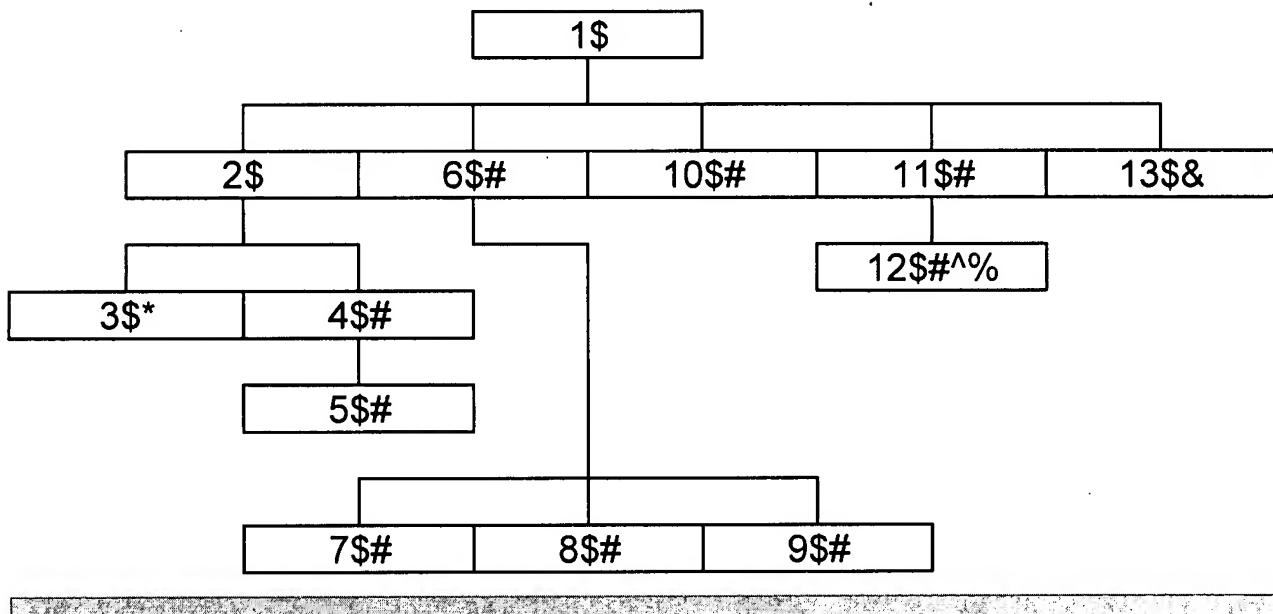
EAST Search History

S14	75	(US-20020021312-\$ or US-20020126193-\$ or US-20040173960-\$ or US-20040263603-\$ or US-20060198645-\$ or US-20060198669-\$ or US-20070109385-\$ or US-20010046389-\$ or US-20020015602-\$).did. or (US-5652943-\$ or US-4939549-\$ or US-5276491-\$ or US-5355206-\$ or US-5436698-\$ or US-5479239-\$ or US-5538677-\$ or US-6151461-\$ or US-6337968-\$ or US-6695504-\$ or US-6786590-\$ or US-7080835-\$ or US-7224915-\$ or US-7264347-\$ or US-6092800-\$ or US-4472756-\$ or US-5282345-\$ or US-5327200-\$ or US-5447815-\$ or US-3579738-\$ or US-4275134-\$ or US-4349273-\$ or US-4358226-\$ or US-4415261-\$ or US-4415256-\$ or US-4417807-\$). did. or (US-4619516-\$ or US-4767115-\$ or US-4943725-\$ or US-5198863-\$ or US-5249023-\$ or US-5253024-\$ or US-5287163-\$ or US-5376798-\$ or US-5411825-\$ or US-5455514-\$ or US-5488462-\$ or US-5522157-\$ or US-5585730-\$ or US-5633703-\$ or US-5655178-\$ or US-5659836-\$ or US-5722003-\$ or US-5722012-\$ or US-5930573-\$ or US-5940670-\$ or US-6005234-\$ or US-6010813-\$ or US-6032018-\$ or US-6047149-\$ or US-6125258-\$ or US-6137098-\$ or US-6250743-\$). did. or (US-6347200-\$ or US-6436619-\$ or US-6465140-\$ or US-6564020-\$ or US-6566033-\$ or US-6574448-\$ or US-6678494-\$ or US-6721515-\$ or US-6721517-\$ or US-6728496-\$ or US-6757509-\$ or US-6859630-\$ or US-7123280-\$). did.	US-PGPUB; USPAT	OR	OFF	2007/10/30 12:36
S16	70	S14 NOT S13	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 12:48
S17	10	("3690646" "3717801" "4244465" "4526357" "4856769" "4864461" "5003325" "5121170" "5593151").PN. OR ("6092800"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 13:22

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S20	2	JP-2004099280-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/30 16:08
S21	49457	("347").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/30 17:01
S22	899	S21 and ((AC or (alternating current)) near (bias or charg\$3 or unit or belt or roller))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:02
S23	99	S22 and ((charge or charging or discharge or discharging) near roller)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:02
S24	49457	("347").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:02
S25	1143	S24 and ((DC or (Direct current)) near (bias or charg\$3 or unit or belt or roller))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:02
S26	93	S25 and ((charge or charging or discharge or discharging) near roller)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:03
S27	899	S24 and ((AC or (alternating current)) near (bias or charg\$3 or unit or belt or roller))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:03
S28	99	S27 and ((charge or charging or discharge or discharging) near roller)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:03
S29	38	S26 Not S28	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 10:03

Claim Tree: 11/159060



\$ Maki et al., (US 2002/0126193 A1)

* Tamaki et al., (JP 05-224571 A)

Fukushima et al., (US 6,097,408 A)

^ Eskey (US 6,909,872 B2)

% Kashiwagi et al. (US 2001/0028381 A1)

& Kawada et al., (JP 09-254460 A)

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S30	24	(US-20070109385-\$ or US-20020126193-\$ or US-20020021312-\$ or US-20030138711-\$ or US-20020044189-\$ or US-20010028381-\$).did. or (US-6097408-\$ or US-5896148-\$ or US-6698878-\$ or US-5121170-\$ or US-3717801-\$ or US-7245863-\$ or US-6559876-\$ or US-6536895-\$). did. or (EP-1238812-\$).did. or (JP-2003103857-\$ or JP-09254460-\$ or JP-09244423-\$ or JP-04201469-\$ or JP-05224571-\$).did. or (EP-1238812-\$ or JP-09254460-\$ or JP-09244423-\$ or JP-2004099280-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/31 11:49
S31	11	S30 and (heat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 11:50
S32	24	(US-20070109385-\$ or US-20020126193-\$ or US-20020021312-\$ or US-20030138711-\$ or US-20020044189-\$ or US-20010028381-\$).did. or (US-6097408-\$ or US-5896148-\$ or US-6698878-\$ or US-5121170-\$ or US-3717801-\$ or US-7245863-\$ or US-6559876-\$ or US-6536895-\$). did. or (EP-1238812-\$).did. or (JP-2003103857-\$ or JP-09254460-\$ or JP-09244423-\$ or JP-04201469-\$ or JP-05224571-\$).did. or (EP-1238812-\$ or JP-09254460-\$ or JP-09244423-\$ or JP-2004099280-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/31 16:20
S33	1	S32 and (movement near distance)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/31 16:20
S34	7	S32 and (movement)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/01 07:43
S35	1	("20020057322").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/01 07:43
S36	1	("2002/0057322").URPN.	USPAT	OR	OFF	2007/11/01 08:25
S37	1	"6909872"	USPAT	OR	OFF	2007/11/01 08:26